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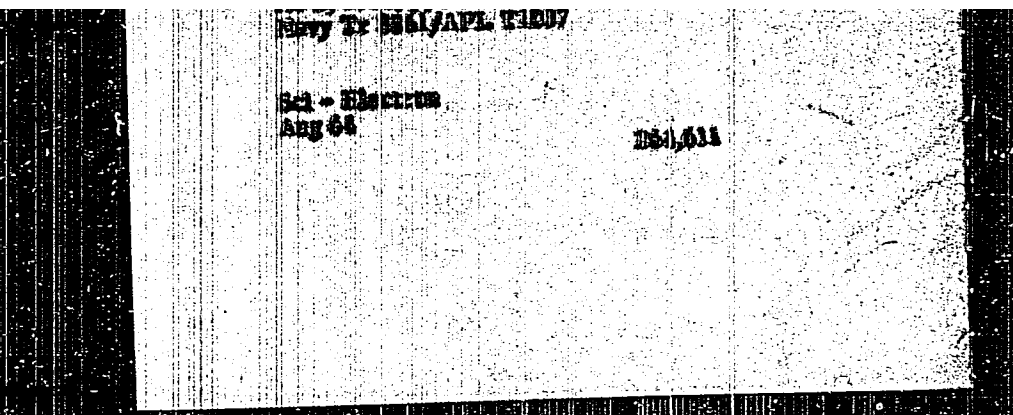
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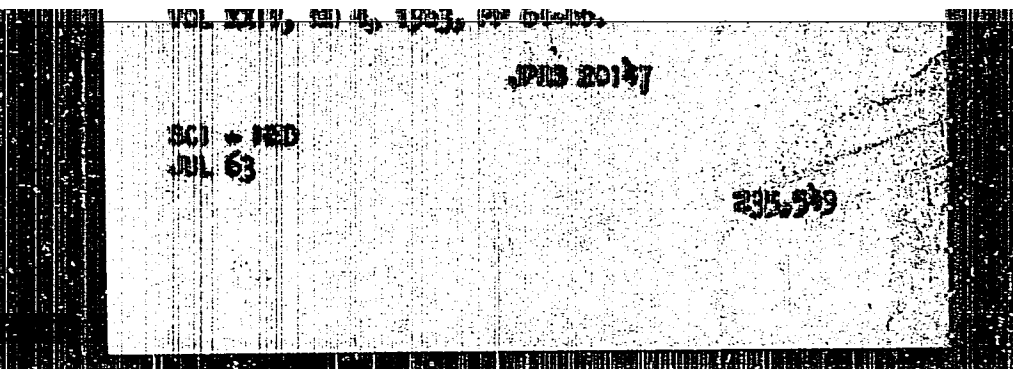
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Trans. of a rept. from Centre d'Étude de l'Énergie
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DESCRIPTORS: *Single crystals, *Uranium compounds,
Dioxides, Physical properties, *Radiation effects,
*Crystal lattices, Density, Oxidation, Thermal con-
ductivity, Electrical conductance, Deformation, Dis-
sociation, *Photoconductivity.

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1252512

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[31]p. CEEN R 2179.
Order from OTS or SLA \$3.60 EURAEC-464

Trans. of a rept. from Centre d'Etude de l'Energie
Nucleaire, Mol (Belgium) n.d.

DESCRIPTORS: *Uranium, *Folios, Preparation, Cold-
working, Annealing, *Electrolytic polishing, *Grain
structure (Metallurgy), *Radiation effects, *Crystal
lattice defects, *Twining (Crystallography), Crystal
structure, Electron microscopy.

Observations were made of the defect structure in
thin α -uranium foils of highest purity. A method was
developed which appears to be suitable for the prepa-
ration of thin uranium foils of large grain size. Such
(Physics--Solid State, TT, v. 10, no. 9) (over)

63-19985

- I. Amelinckx, S.
- II. CEEN R-2179
- III. EURAEC-464
- IV. European Atomic Energy
Community, Brussels
(Belgium)

449918

Office of Technical Services

Amelincx, S. and others.
SOLID STATE NEUTRON DETECTOR. Quarterly
rept. 6, 1 Jan-31 Mar 62, on Contract 079-61-10 RDB.
[1963] [19]p. 3 refs. CEEN R-2112.
Order from OTS or SLA

EURAEC-306

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Neutron detectors, Radiation
measurement systems components, *Semiconductor
devices, *Single crystals, *Silicon compounds,
*Carbides, Impurities, Aluminum, *Photoelectricity,
Resistance (Electrical), *Hall effect, Fast neutrons,
Neutron bombardment.

P-N junctions with relatively good characteristics have
been obtained by diffusion of Al into n-type SiC single
crystals. The width of the barrier is estimated to be
(Nuclear Physics--Instruments, TT, v. 10, no. 9)
(over)

63-19989

- I. Amelincx, S.
- II. CEEN R-2112
- III. EURAEC-306
- IV. European Atomic Energy
Community, Brussels
(Belgium)

1249659

Office of Technical Services

63-23275

Amelinckx, S. and others.
PHYSICAL PROPERTIES OF UO_2 SINGLE CRYSTALS.
Quarterly rept. no. 5, 1 Oct-31 Dec 62. [1963] 24p
Contract 063.61.10/RDB
Order from OTS or SLA \$2.60 EURAEC-524

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Single crystals, *Uranium compounds,
Dioxides, Sintering, Diffusion, Thermal conductivity,
Spectrographic analysis, Crystal lattices, Radiation
effects

Several runs were made in the new furnace to prepare
single crystals of UO_2 for studies at CEN and for satis-
fying requests from other institutions. The gyration
method for spheroidization of single crystals was im-
proved. An equipment for the sintering experiments
and for observation of the necks formed between the
(Physics--Solid State, TT, v. 10, no. 12) (over)

- I. Amelinckx, S.
- II. EURAEC-524
- III. European Atomic Energy
Community, Brussels
(Belgium)

63-23275

Office of Technical Services

Amelinckx, S. and others.
SOLID STATE NEUTRON DETECTOR. [Quarterly
report no. 5] 1 Oct-31 Dec 61, on Contract 079-61-10 RDB
[1962] 15p. 3 refs.
Order from OTS and SLA \$1.60 EURAEC-246

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Brussels (Belgium) [1962].

DESCRIPTORS: *Semiconductors, *Solid state physics,
*Neutron detectors, *Silicon compounds, Carbides,
Diodes, Radiation damage, Hall effect, Resistance,
Spectrographic analysis.

The radiation damage program of homogeneous SiC and
diodes was continued. Measurements were made of
Hall effect and resistivity on a number of p-type crys-
tals of SiC in a temperature range between 300°K and
1300°K. From the temperature dependence of free hole
(Nuclear Physics--Instruments, TT, v. 9, no. 1) (over)

62-33169

- I. Amelinckx, S.
- II. EURAEC-246
- III. EURATOM (Belgium)

4236453

Office of Technical Services

Amellockx, S. and others. PHYSICAL PROPERTIES OF UO_2 CRYSTALS. Quarterly rept. no. 1, 1 Oct-31 Dec 61 on Contract 063-61-10-RDB. [1962] 24p. 28 refs. Order from OTS or SLA \$2.60 EURAEC-266 Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n. d. DESCRIPTORS: *Uranium compounds, *Dioxides, *Single crystals, *Physical properties, Radiation ef- fects, Crystal lattices, Thermal conductivity, Electri- cal properties, Semiconductors. (Physics--Solid State, TT, v. 9, no. 9)	63-13151 I. Amellockx, S. II. EURAEC-266 III. EURATOM (Belgium) 4236941 Office of Technical Services
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Spirals of Growth on Crystals of Gold Obtained
by Precipitation, by Severin Amelinckx, Carl C. J.
Grosjean, Willy Dakeyser, 4 p.

FRANCE, par, Comptes Rendus Acad des Sci,
1952, Vol CCXXXIV, No 1, pp 113-115.

SLA 59-20036

Sci
Mar 60
Vol 2, No 11

109,663

DRAWING UP THE DRAFT ECONOMIC PLAN, BY P. ADEL'KIN,
5 PP.

RUSSIAN, KP EKON GAZETA, 27 JAN 1963, P 15.

NP70 21363

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345,788

(SF-1855)

New 11,000 Ton Floating Drydock for
East German Shipyard, by H. Amelung,
10 pp.

GERMAN, per, Schiffbautechnik, Vol XI,
No 12, 1961, pp 602-609.

JPRS 13284

190,429

EEAK
Germany
Econ

63-22293

Amelongen, Gerit Jan Van and Pras, Franciscus
Johannes Fredericus Van der.
METHOD OF MANUFACTURING CATALYSTS USED
FOR POLYMERIZATION OF ETHYLENE UN-
SATURATED HYDROCARBONS. July 63, 26p. 1 ref.
Order from SA \$19.00 SA Code-P-195

Trans. in manuscript of published Japanese patent
7738/1962, cl. 13-P-15 (26-B-11) (26-B-21) appl.
no. 35497/1959 filed 17 Nov 59, pub. 10 July 62,
priority claimed: 19 Nov 58 (Netherlands) by Shell
Internationale Research Merchappij N. V., Netherlands.

DESCRIPTORS: *Polyethylene plastics, Hydrocarbons,
*Propenes, Polymerizations, Metalorganic compounds,
*Ziegler catalysts, *Aluminum compounds, Alkyl
radicals, *Titanium compounds, Halides, *Chlorides,
Manufacturing methods.

(Materials--Plastics, TT, v. 10, no. 9)

I. Amelongen, C. J. Van
II. Pras, F. J. P. Van der
III. Patent (Japan) pub. 37-7738
IV. SA Code-P-195
V. Seizaburo Aoki (Japan)

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Amelung, D. REVIEW OF THE CHEMISTRY, MODE OF ACTION AND ANALYSIS OF INSULIN. [1961] 13p. 35 refs. Order from SLA \$i. 60 61-20634	61-20634
Trans. of D[eu]tsch[e] Med[izinische] W[ochen]schr- [ft] (West Germany) 1958, v. 83, no. 45, p. 2002-2005.	I. Amelung, D.
DESCRIPTORS: *Insulin, Glucose, Metabolism, Hormones, Biochemistry, *Liver, *Tissues (Biology), Carbohydrates, *Chromatographic analysis, *Endo- crine glands, Secretion.	191133
(Biological Sciences--Physiology, TT, v. 7, no. 4)	Office of Technical Services

97
Calculation of the Strength of Metallic and
Plastic Cylindrical Vessels, Reinforced by
a Kind of High-Strength Material, by

A. M. Amel'yanchik, 30 pp.

RUSSIAN, per, Prochnost' i Dinamika

Aviatsionnykh Avigateley, Sbornik

Statey, No 1, 1964, pp 3-22.

PI00055567

FTD MT 65-154

A. M. Amel'yanchik

Sci-Materials

Mar 67

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Computer Calculation of the Strength of Turbine
Disks, by A. V. Amel'yanchik, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk Mekh i Mash, No 1, 1959, pp 138-143.

ATS-76L35R

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Field 21E

Amelyushkin, V. N.; Umanski, M. P.
THE EFFECT OF A VORTEX FLOW ON THE EFFICIENCY
OF A CURVILINEAR DIFFUSER (Vliyaniye Zakrutoy Potoka
na Effektivnost' Krivolineynogo Diffuzora). 9 Oct 64,
12p (foreign text included) 2refs. TP/T3535.
Order from NLL

Trans. of Energomashnostroyeniye (USSR) v9 n12 p18-21
1963.

I. Associated Electrical
Industries, Ltd.
Trafford Park (England)

Twist of Flow and Its Effect on the Effectiveness
of a Curvilinear Diffuser, by V. N. Anelyushkin,
M. P. Umansky. FOR OFFICIAL USE ONLY

RUSSIAN,

FTD-TT-64-551

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Dec 64

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PTU-PR-5251

Sci - Engr
Nov 64

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62-26905

Amemiya, T. and Oguchi, K.
SYNTHÈSE DE L'HYDRATE DE TERPÈNE. Rapport
1-3 (Synthesis of Terpene Hydrate). 17p. 14 refs.
Order from OTS, ETC or CNRS \$0.80 62-26905

Trans. in French of unidentified Japanese language
article, n.d.

DESCRIPTORS: Terpenes, Hydrates, Sulfuric acid,
Synthesis (Chemistry).

- I. Title: Terpene hydrate
- I. Amemiya, T.
- II. Oguchi, K.
- III. Centre National de la
Recherche Scientifique

(Chemistry--Organic, TT, v. 10, no. 10)

Office of Technical Services

On TAC Computer, by A. Azamiya. UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Jun 1957.

USASIA Tr 972Y

Sci - Electron

Feb 58

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Amemiya, I., Tamura, M., and Senuma, H.
ON CONDITIONS DETERMINING SEX IN THE
MAGAKI OYSTER (OSTREA GIGAS THUNBERG)
tr. by T. B. Kurata. 1960 [9]p. Fisheries Research
Board of Canada trans. series no. 296.
Order from NRCC mi\$0.50, ph\$3.00 NRCC C-3525

Trans. of Suisan Gakkai-ho (Japan) 1929, v. 5, no. 2,
p. 234-257.

(Unannounced)

61-12610

- I. Oysters--Physiology
- I. Amemiya, I.
- II. Tamura, M.
- III. Senuma, H.
- IV. FRC Trans-296
- V. NRCC C-3525
- VI. Fisheries Research Board
of Canada

Office of Technical Services

Amemiya, Ikusaku. ON SEX CHANGE IN THE JAPANESE COMMON OYSTER, <i>OSTREA GIGAS</i> THUNBERG, tr. by T. B. Kurata. 1960, 3p. 4 refs. Fisheries Research Board of Canada. Trans. series no. 295. Order from NRCC m\$0.50, ph\$1.50 NRCC C-3522 Trans. of [Japan Academy, Tokyo. Proceedings] 1929, v. 5, no. 7, p. 284-286. (Biological Sciences--Zoology, TT, v. 5, no. 8)	61-12611 I. Oysters--Physiology I. Amemiya, I. II. FRBC Trans-295 III. NRCC C-3522 IV. Fisheries Research Board of Canada Office of Technical Services
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On Sex Change in the Japanese Common Oyster,
~~Scapharca subcrenata~~, by Ikusaku Amemiya,

JAPANESE, par, Proceedings of the Imperial
Academy, Japan (Tokyo), Vol V, No 7, 1929,
pp 284-286.

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On the Structure of the Poison Spines of the
Aigo, by Ikusaku Amemiya, 6 pp.

JAPANESE, per, Suisan Gakkaï Ho, Vol III,
No 3, July 1921, pp 196-204.

B. L. A.

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Scientific - Biology

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On the Possibility of Removing Copper From Steel
and Pig Iron, by L. Aasen, C. Pfeiffer

NORWEGIAN

~~QTT~~ per, Jernkontorets Annaler, Vol. CXXXVII,
No 7, 1953, pp 238-251.

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Scientific - Minerals/Metals

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